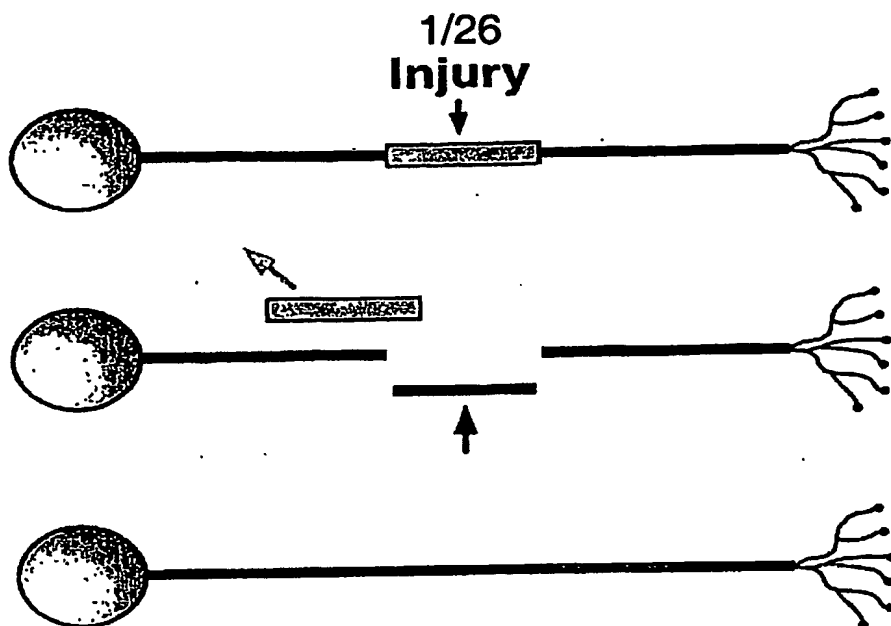
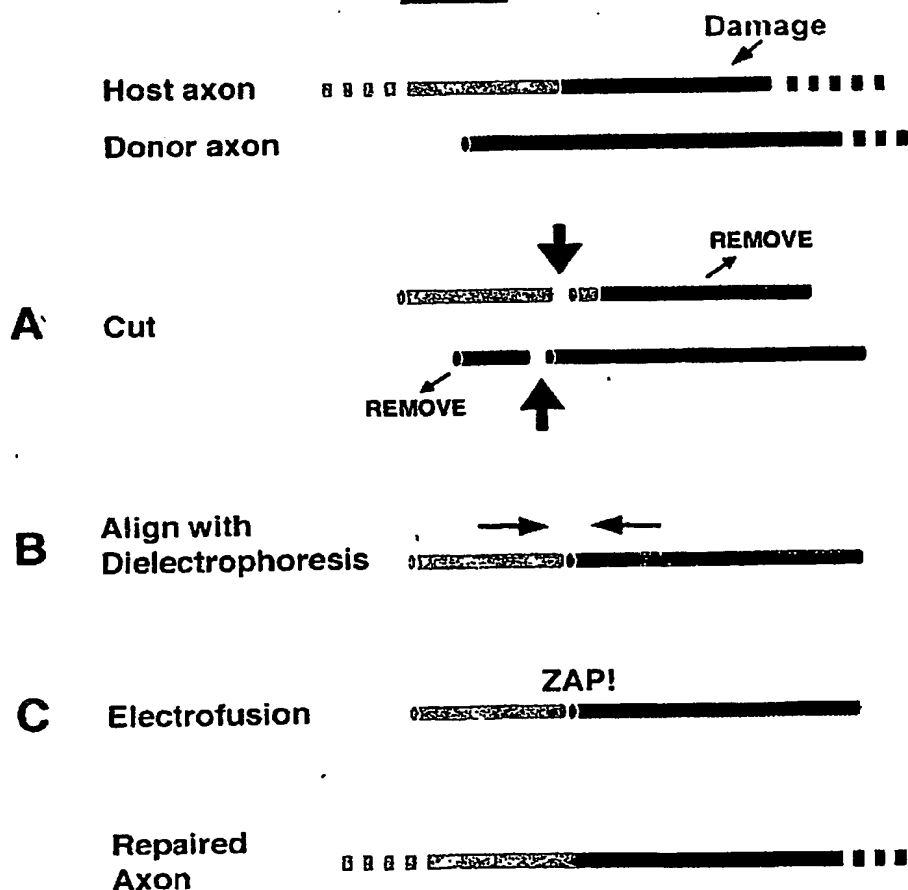


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**FIG. 1**



**FIG. 2**

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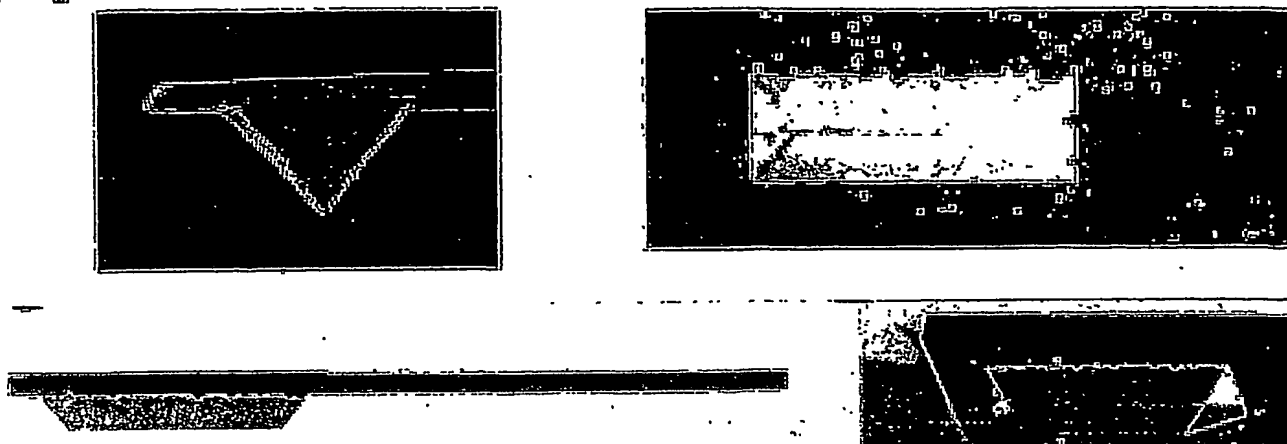


FIG. 3A-D



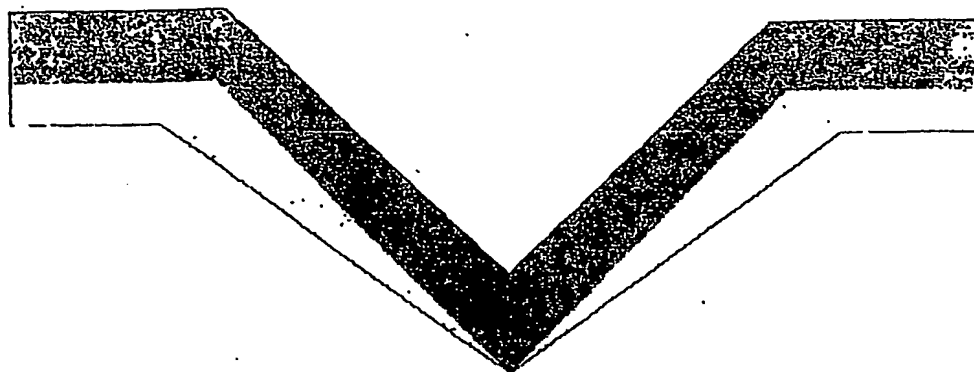
FIG. 3E

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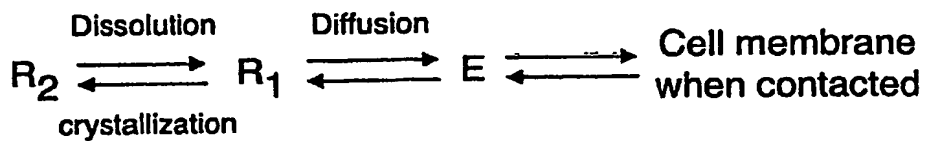
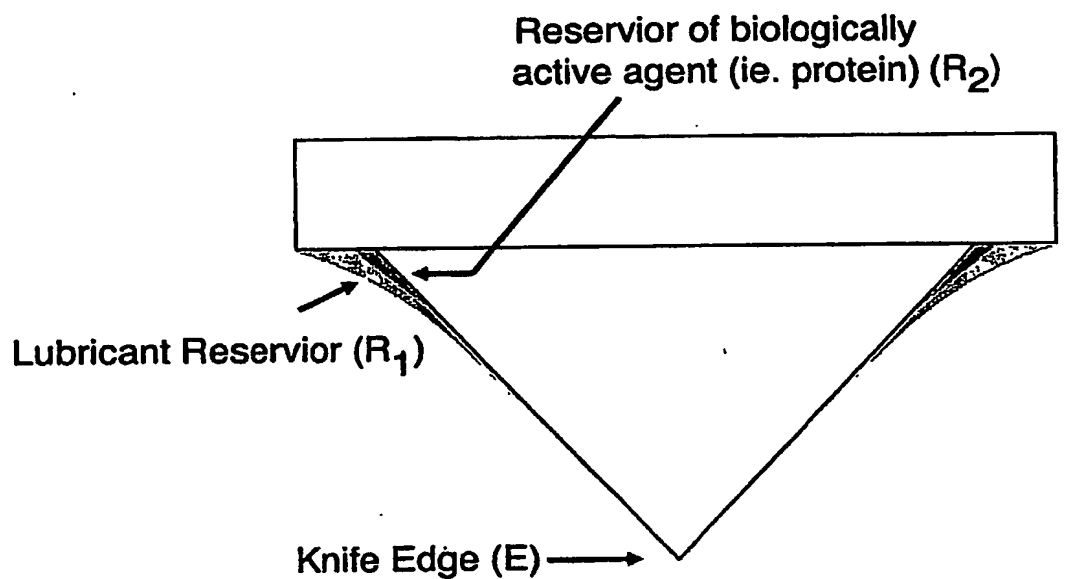


FIG. 3F

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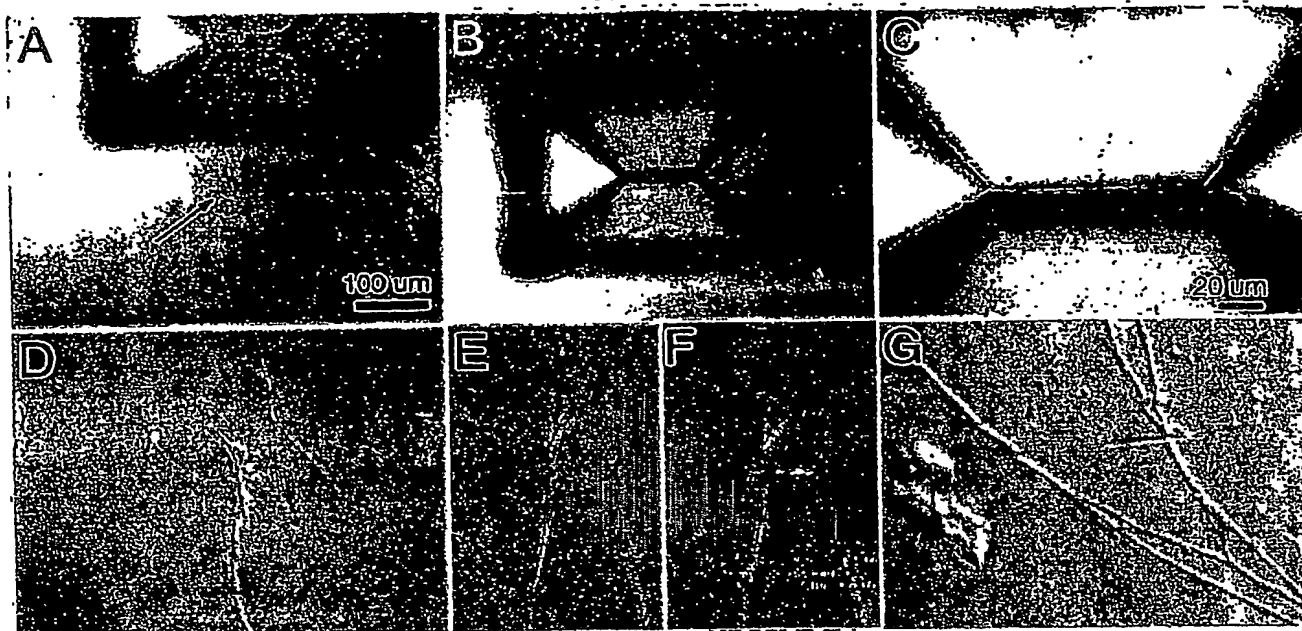
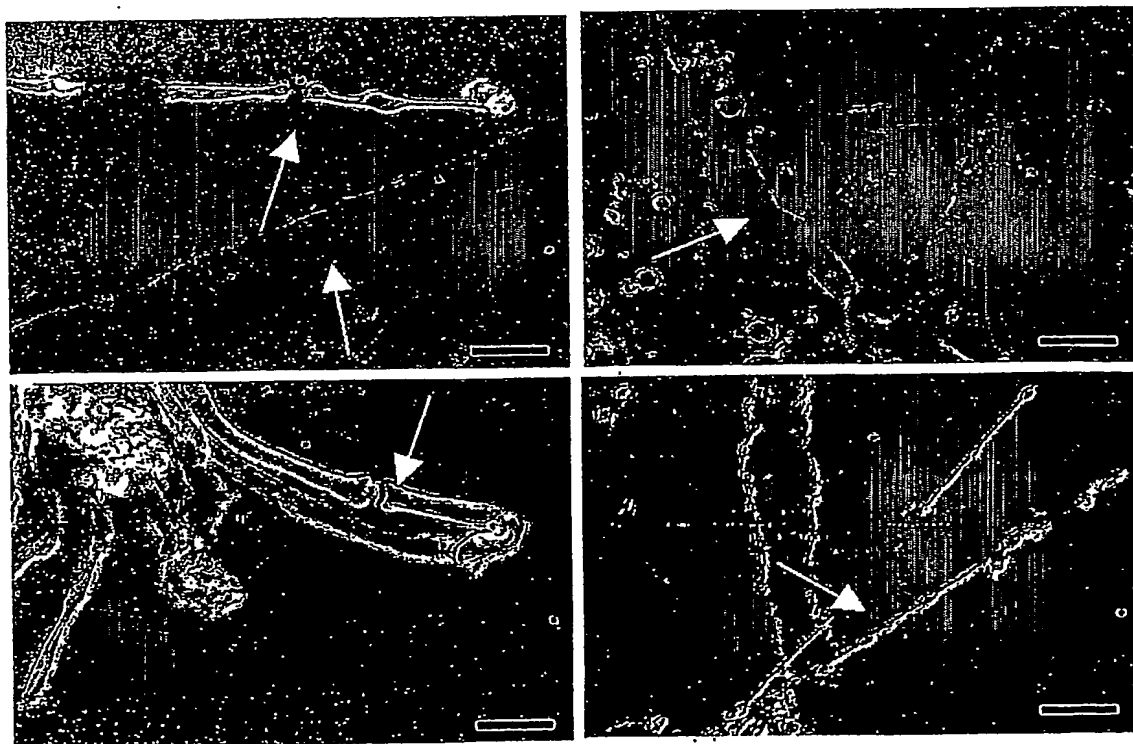


**FIG. 4A**

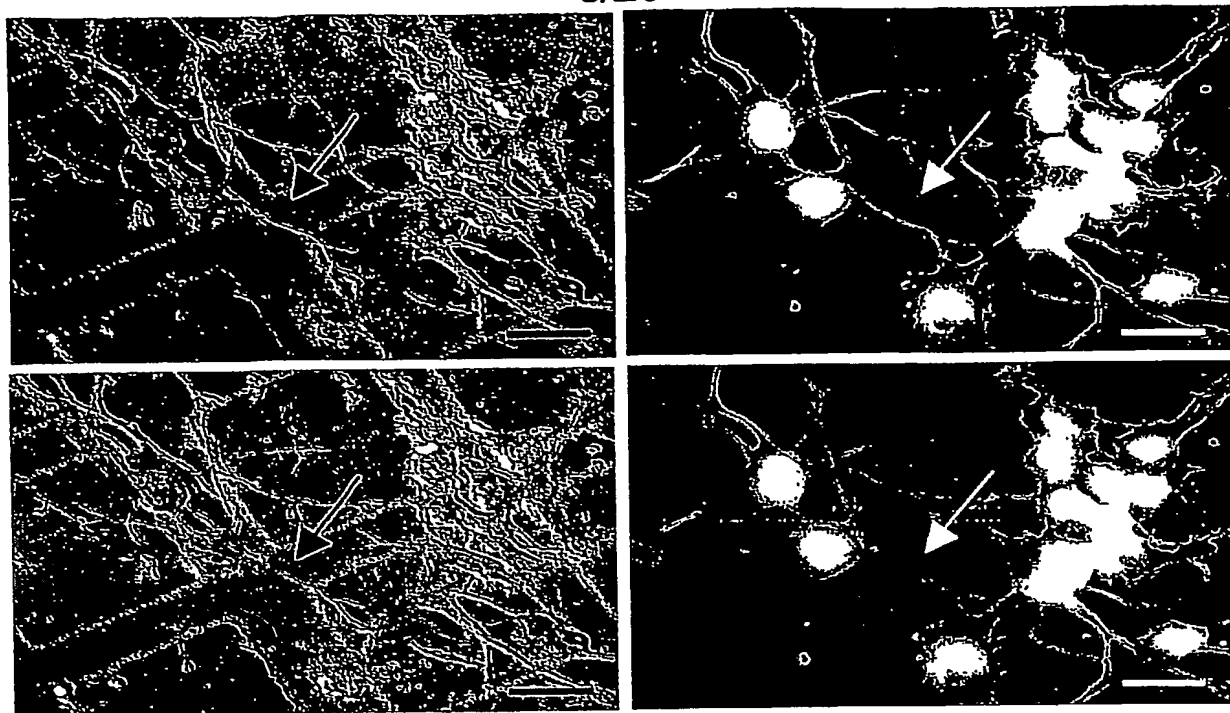


**FIG. 4B**

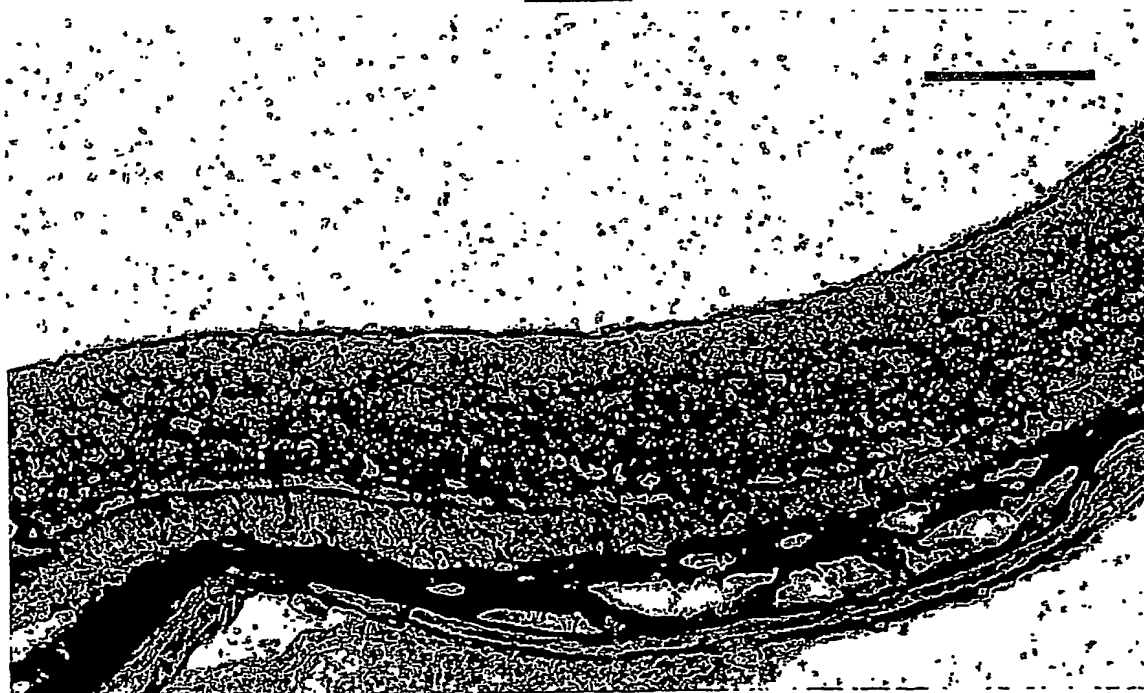
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**FIG. 5****FIG. 6**

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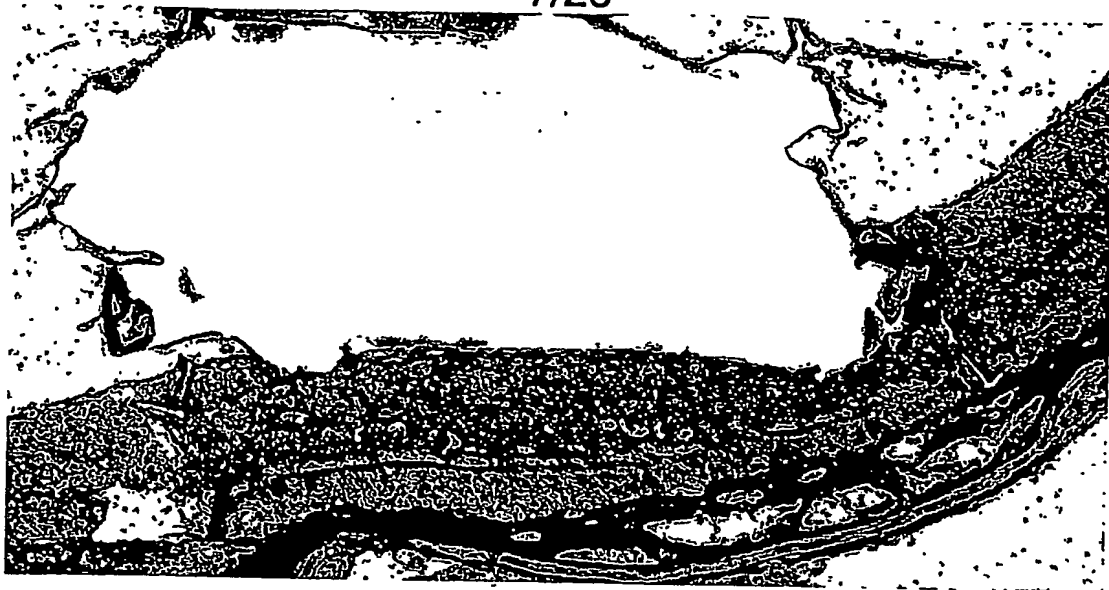


**FIG. 7**



**FIG. 8A**

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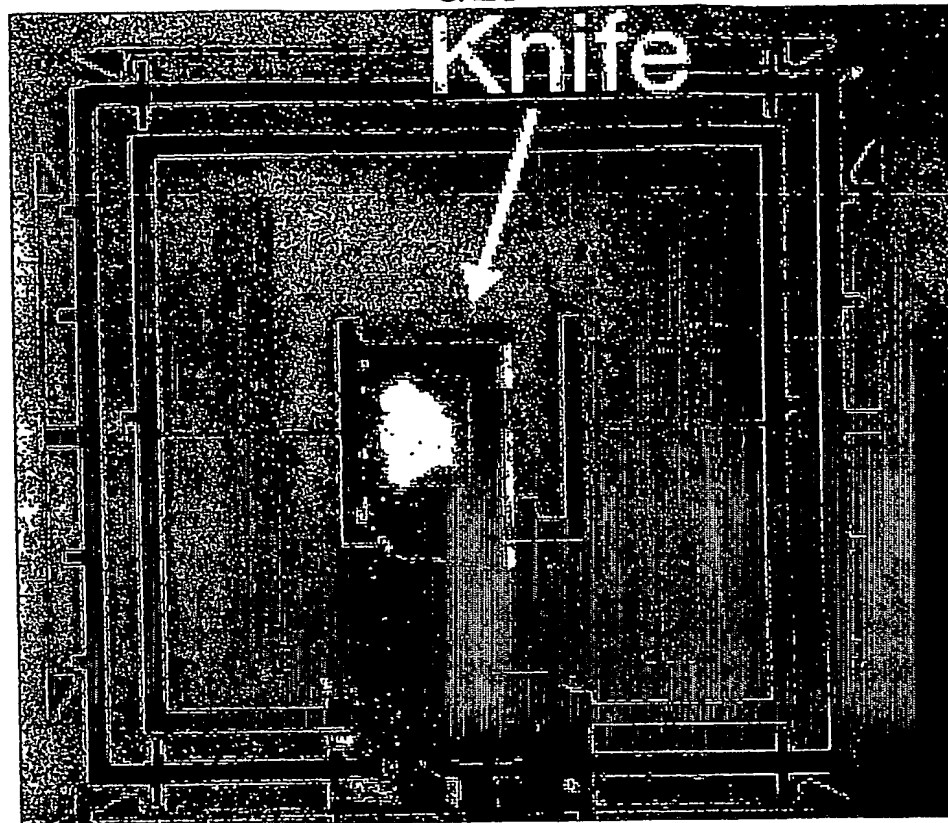


**FIG. 8B**

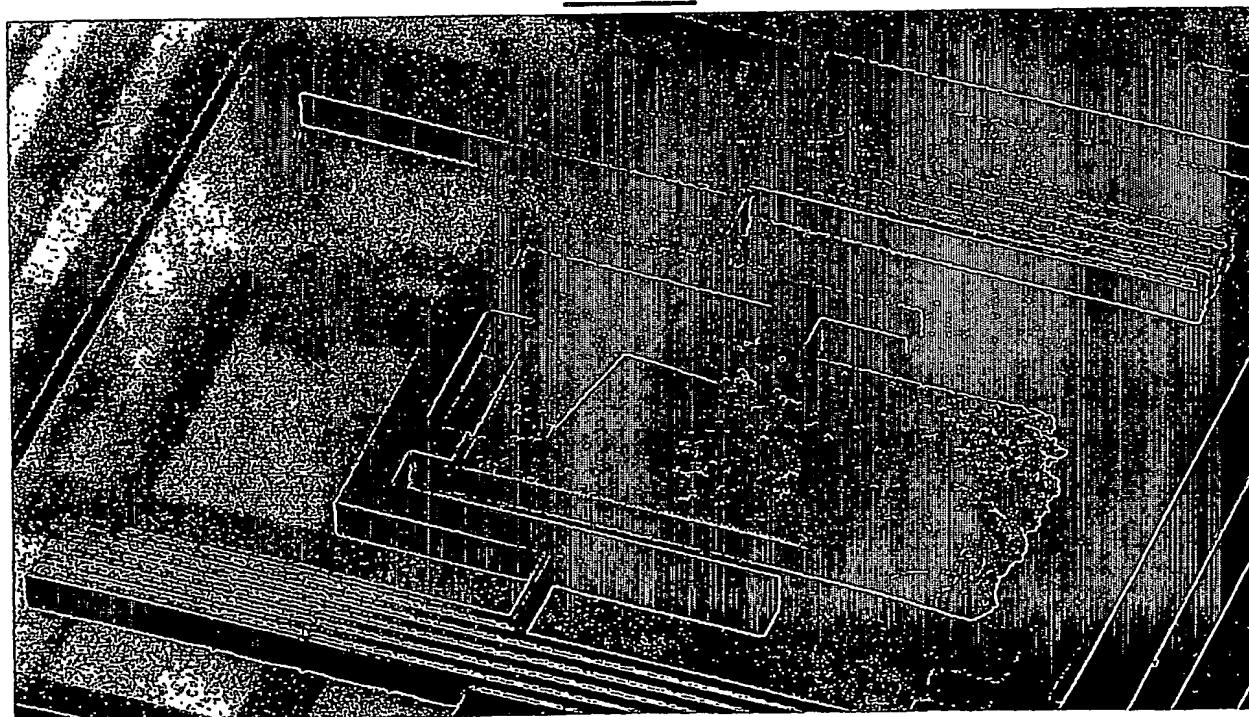


**FIG. 8C**

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**FIG. 9A**



**FIG. 9B**



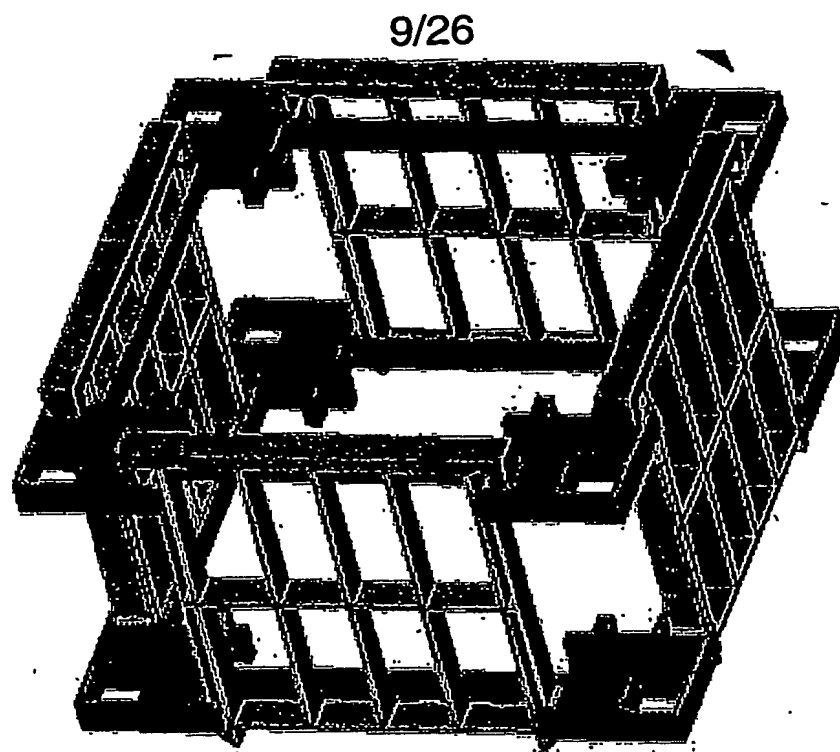


FIG. 10A

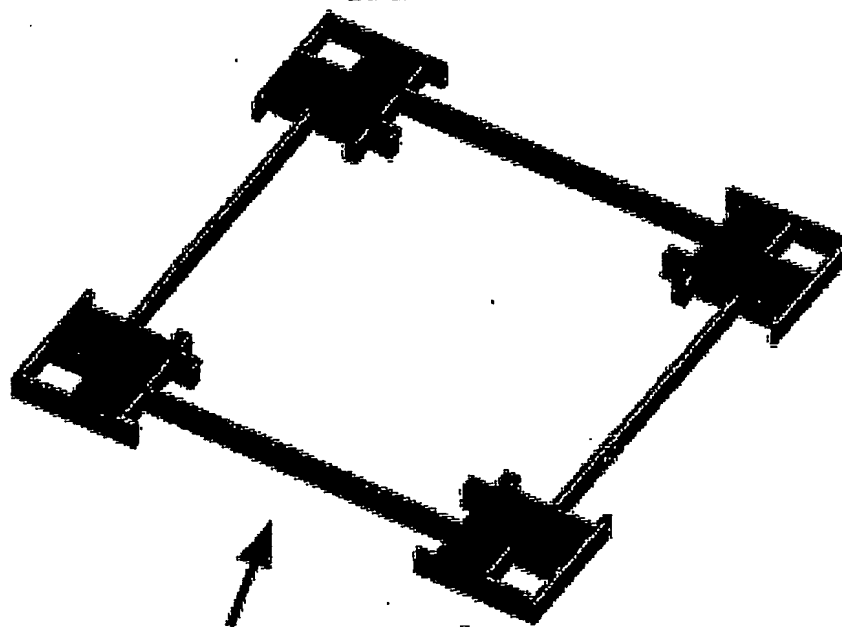
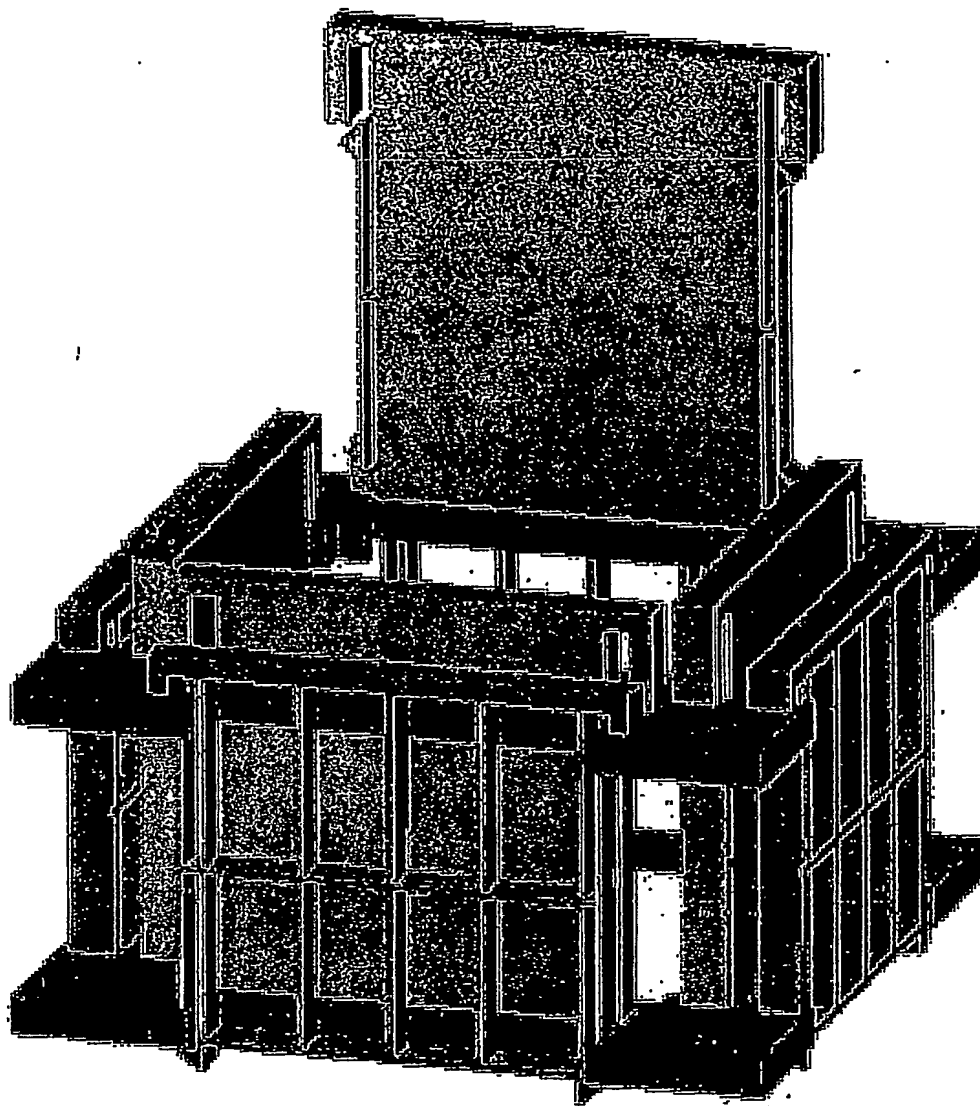


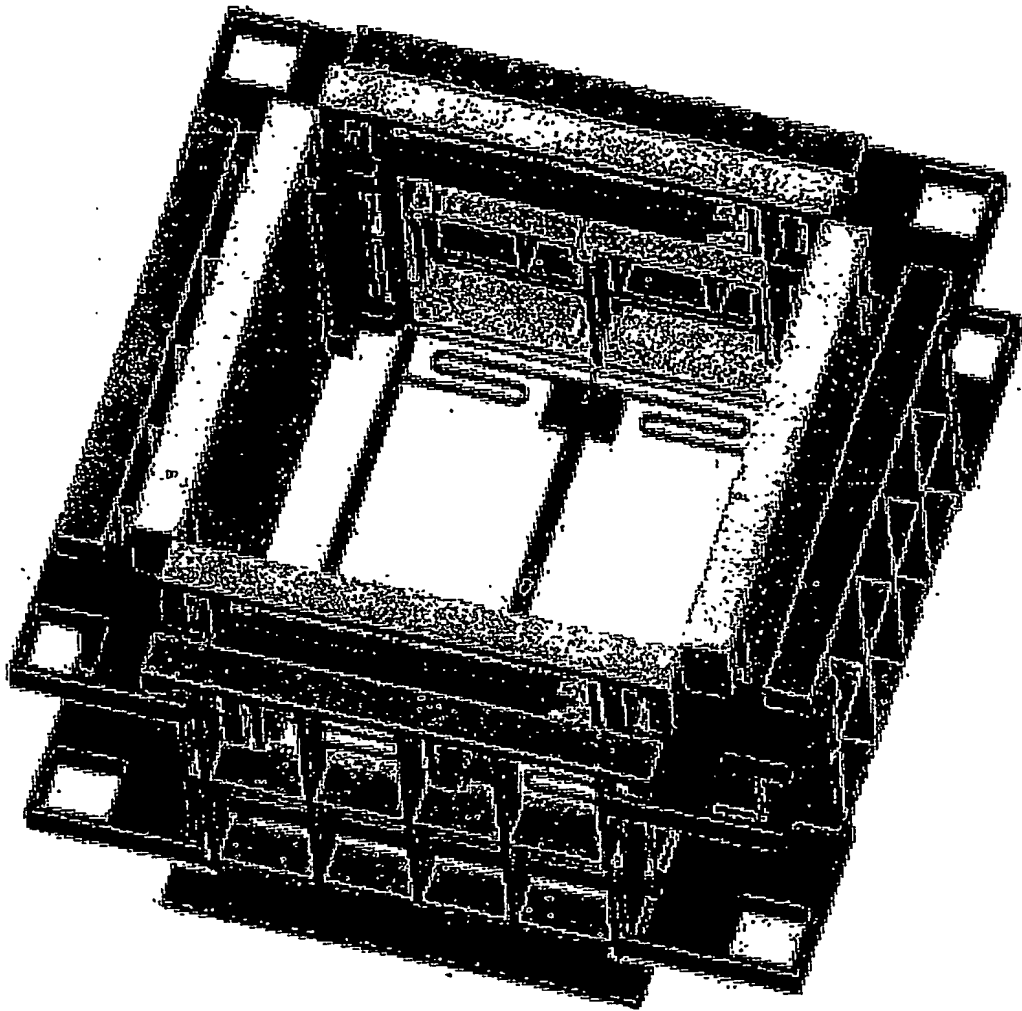
FIG. 10E

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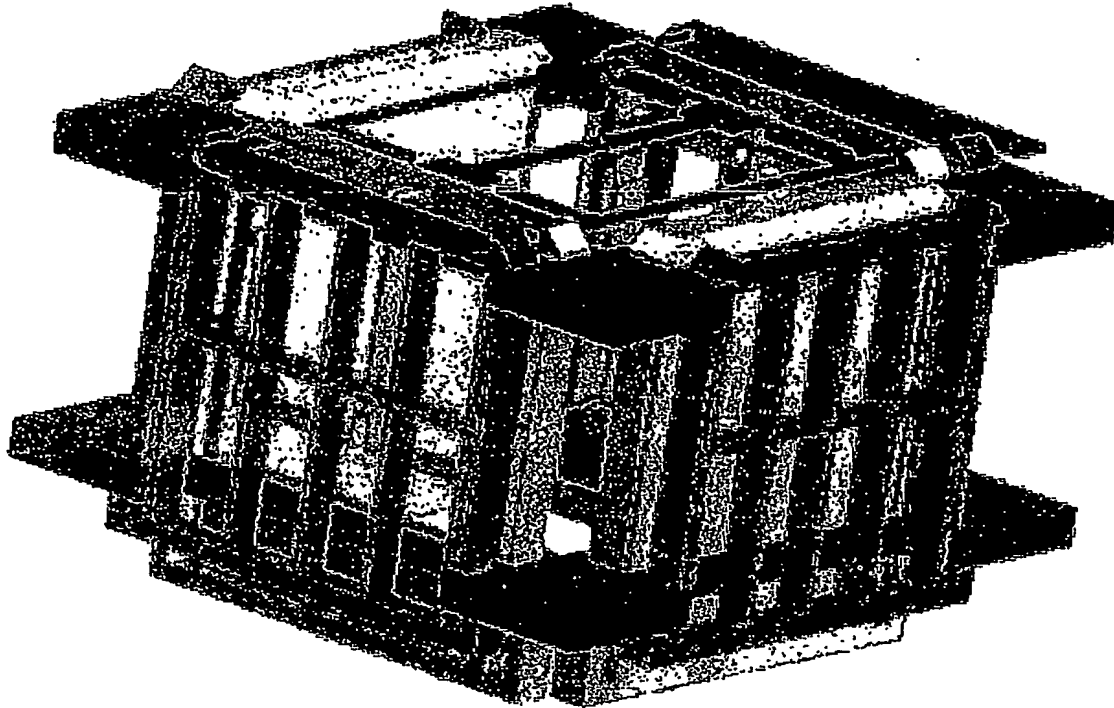
**FIG. 10B**

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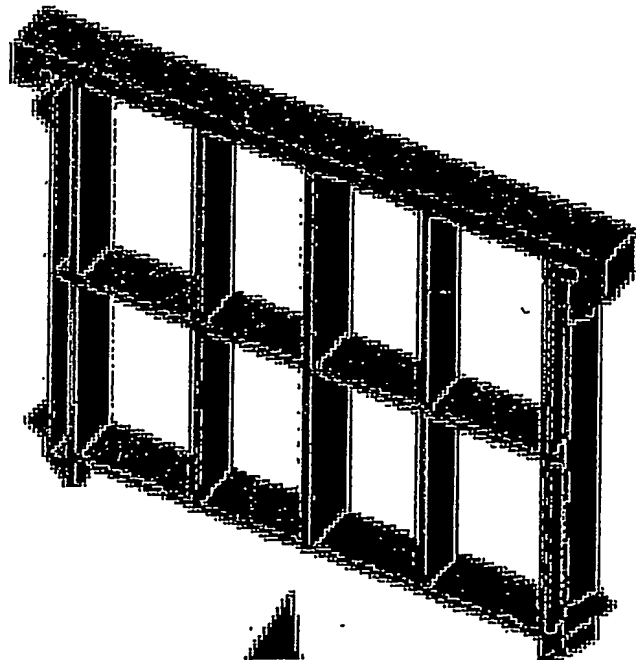


**FIG. 10C**

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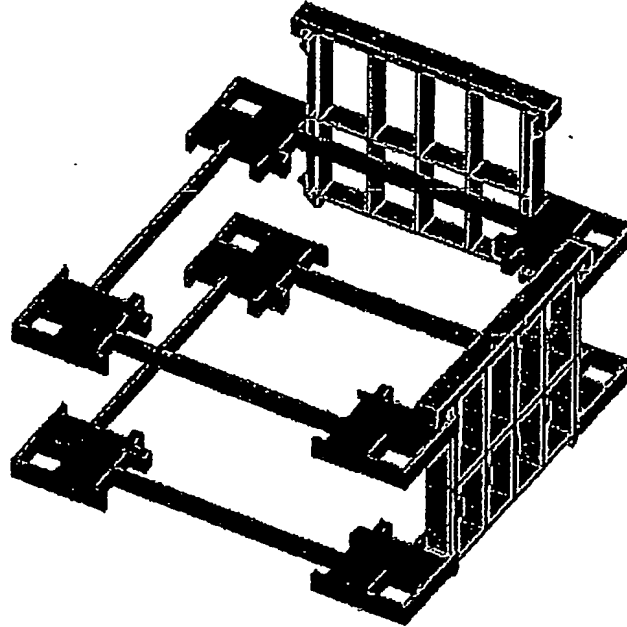


**FIG. 10D**



**FIG. 10F**

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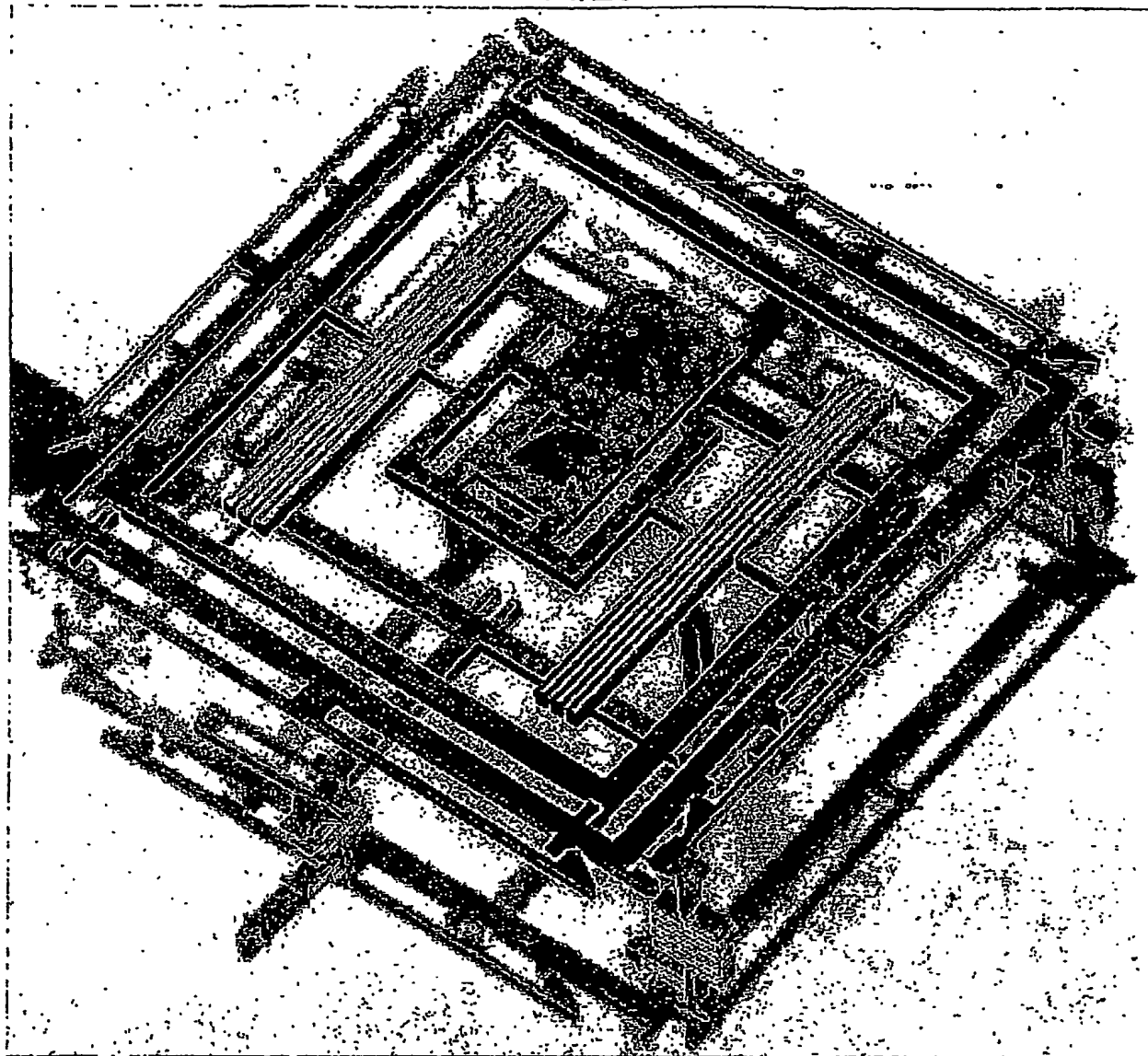


**FIG. 10G**



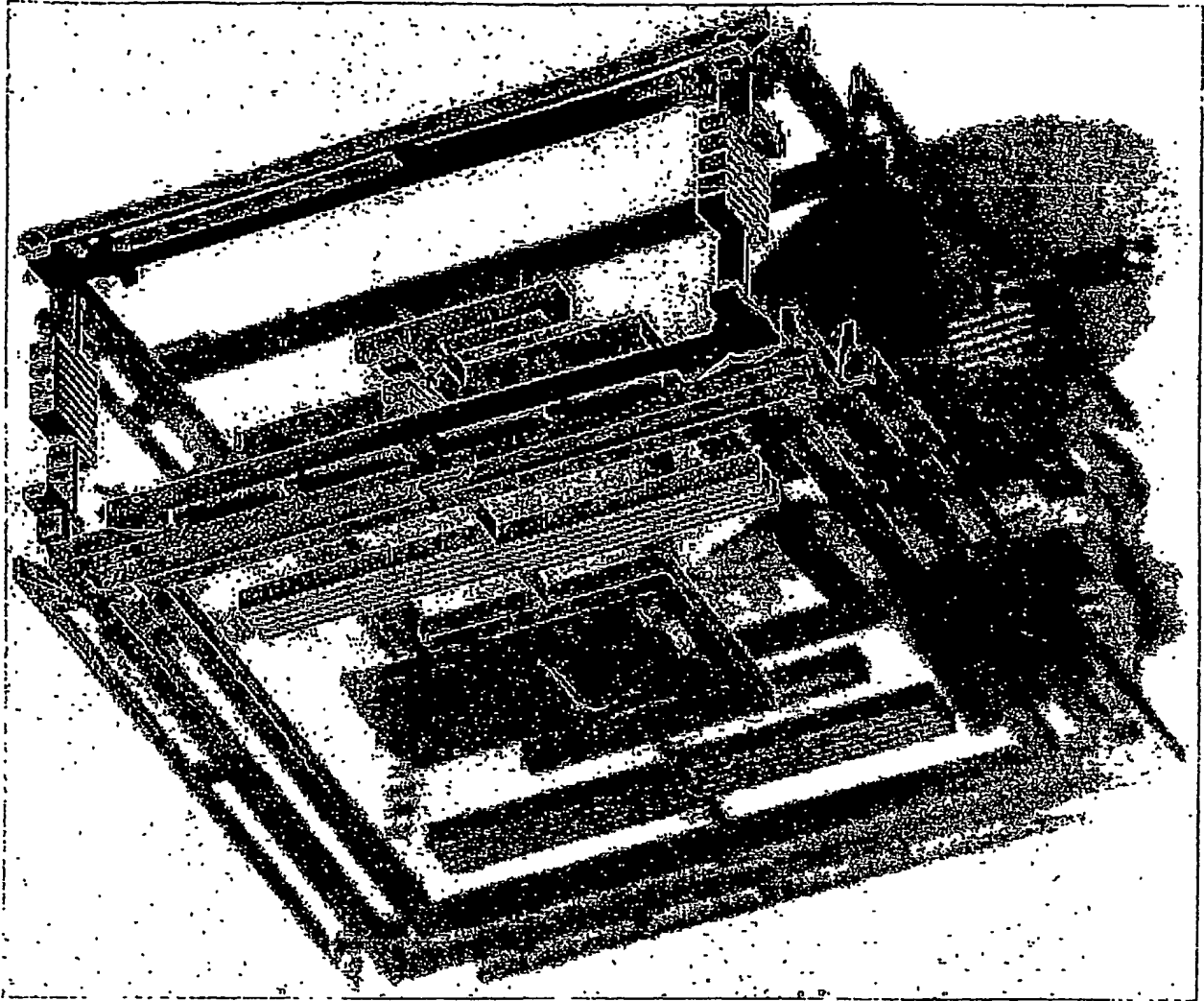
**FIG. 11A**

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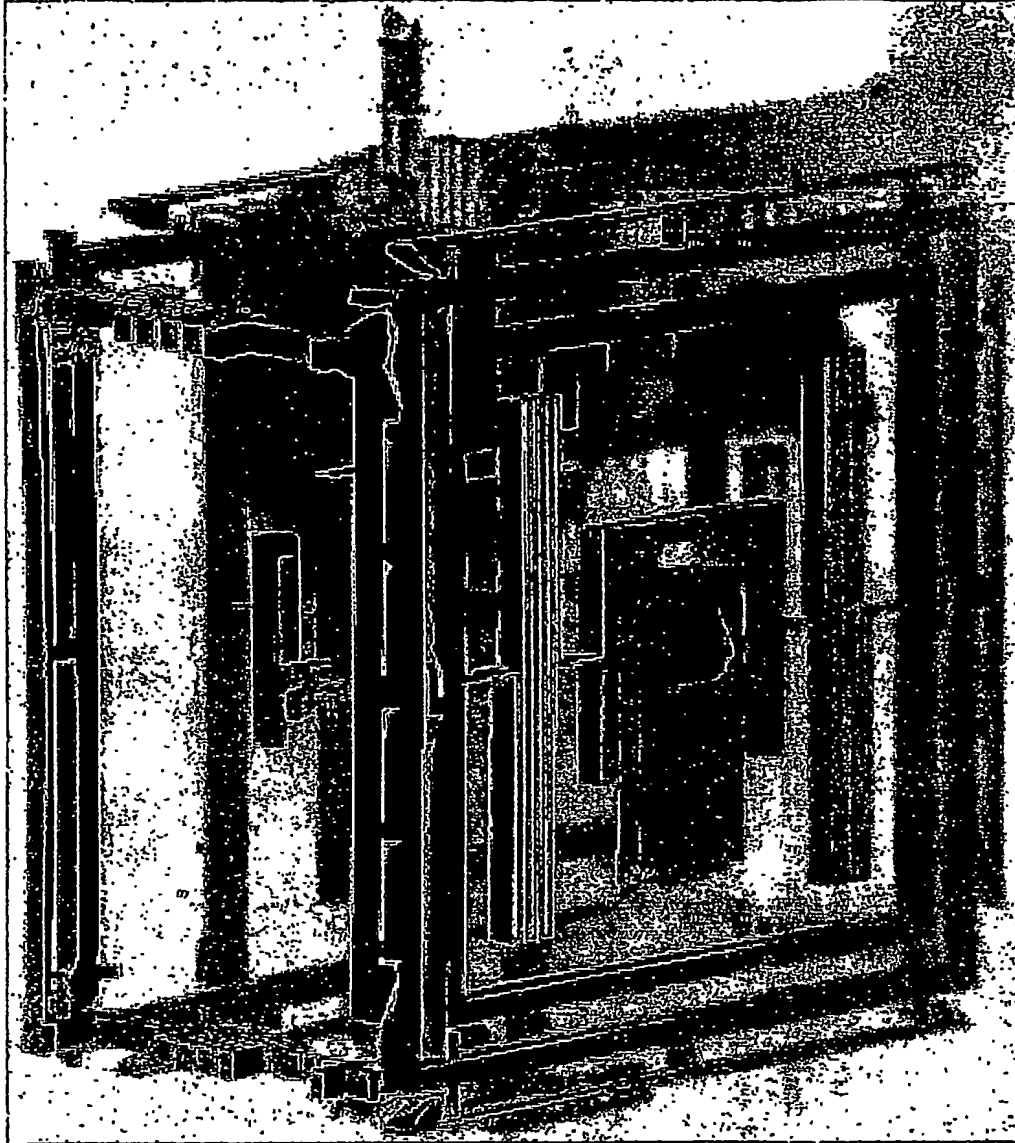
**FIG. 11B**

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**FIG. 11C**

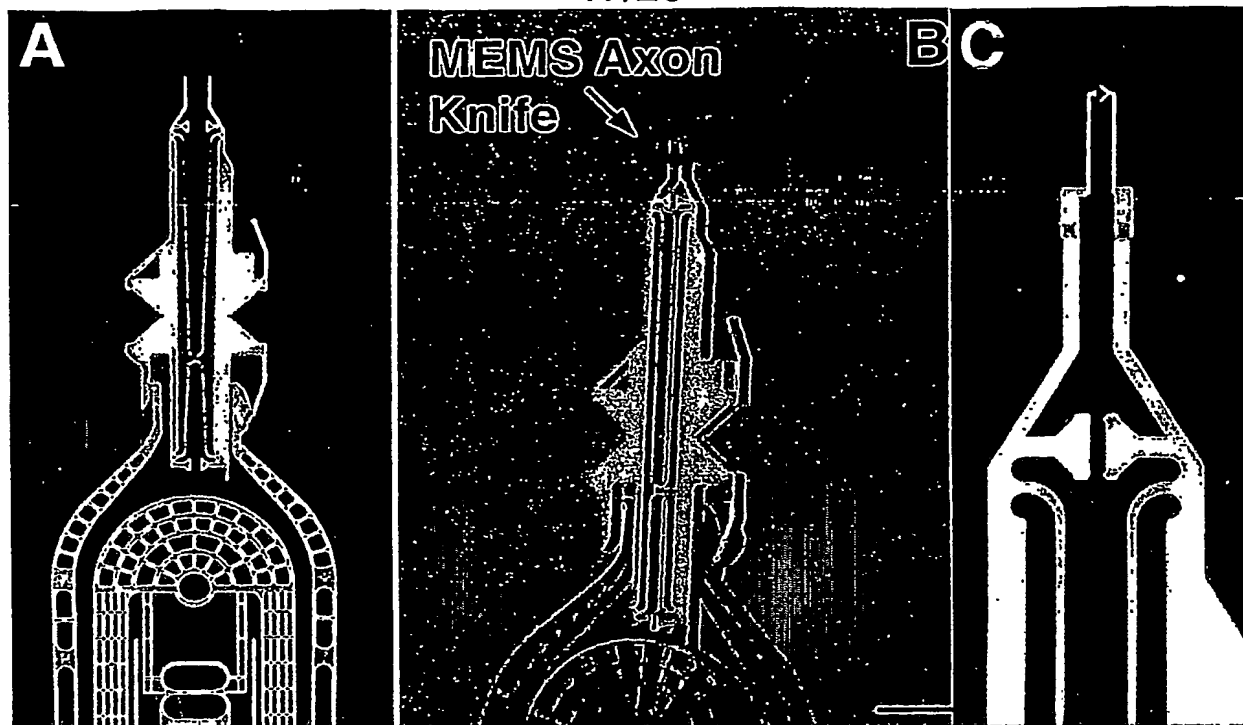
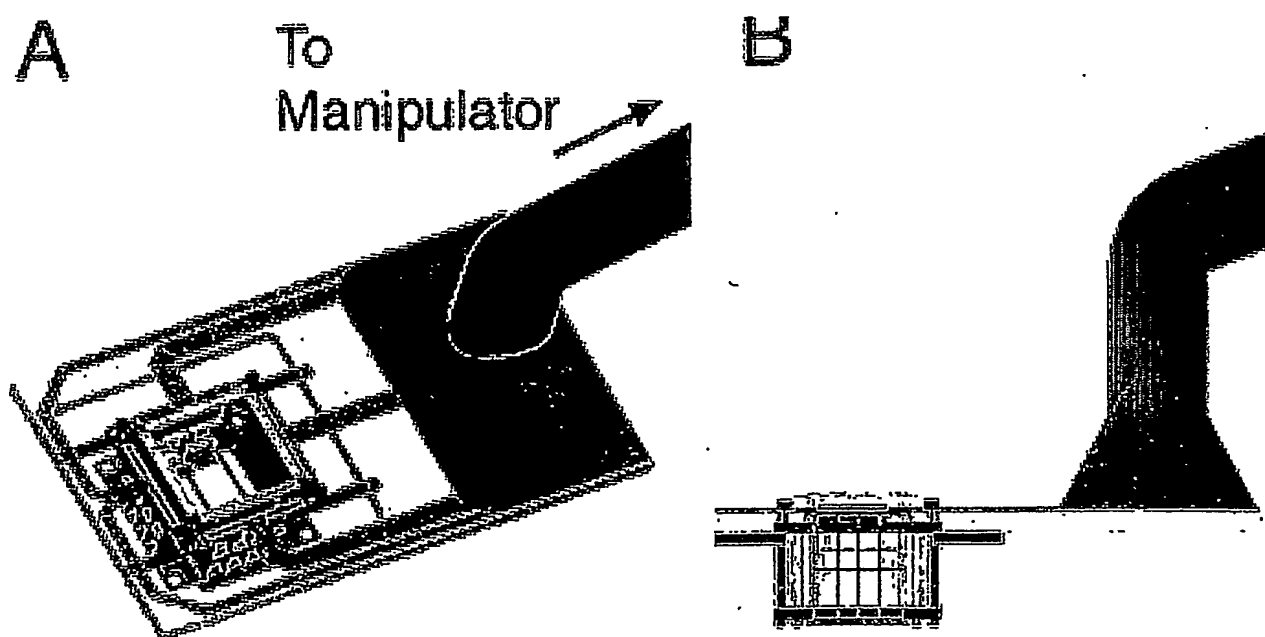
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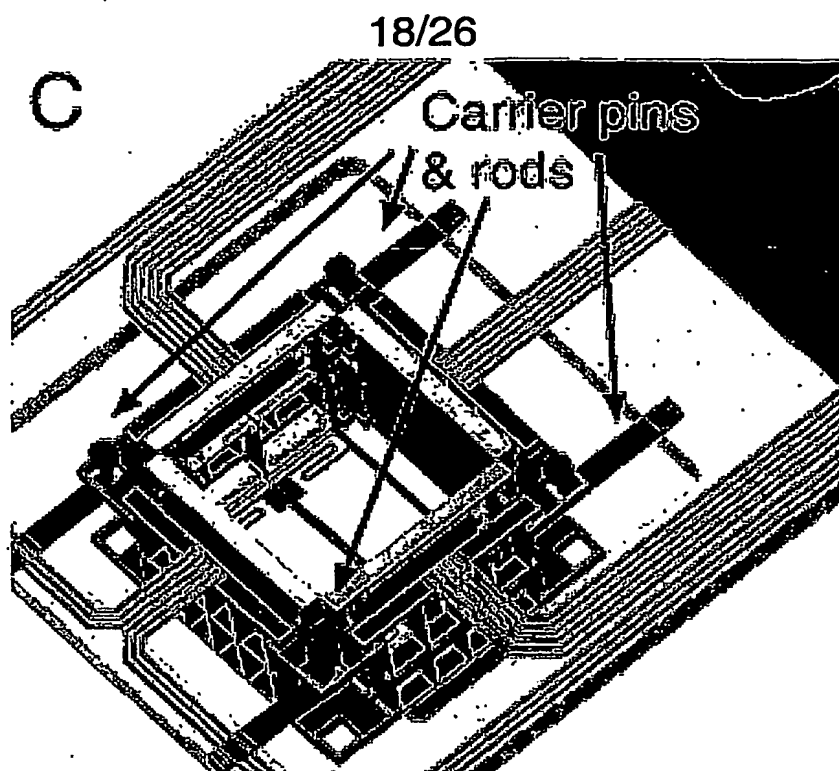


**FIG. 11D**

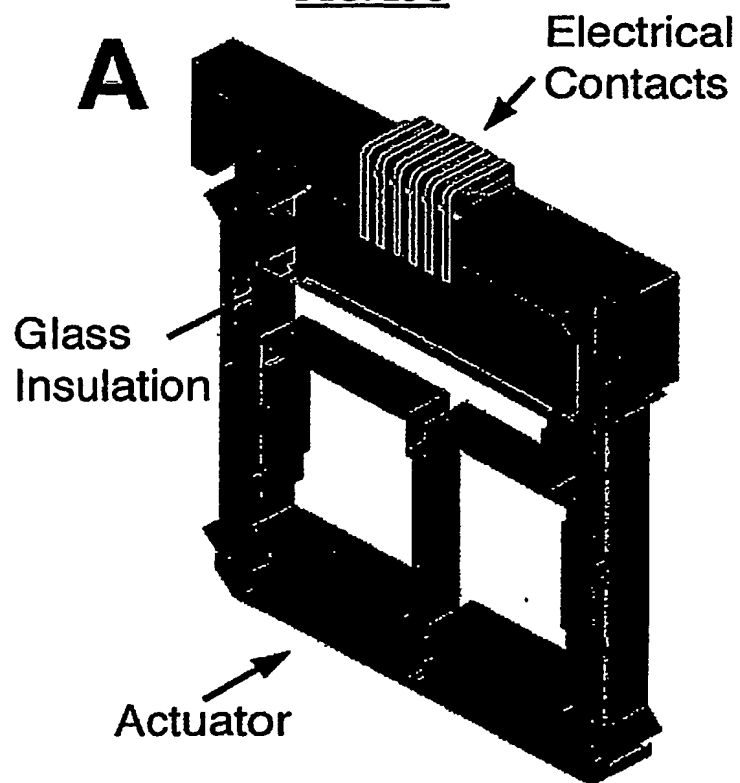


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FIG. 12FIG. 13AFIG. 13B

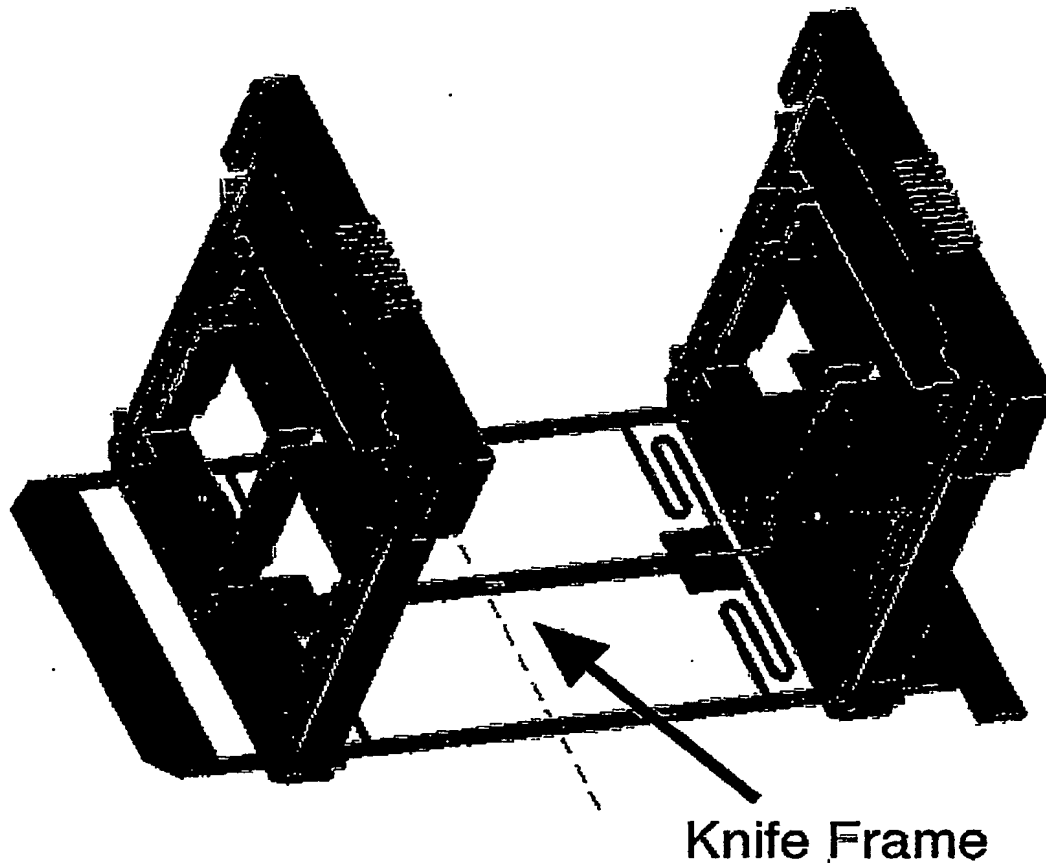


**FIG. 13C**



**FIG. 14A**

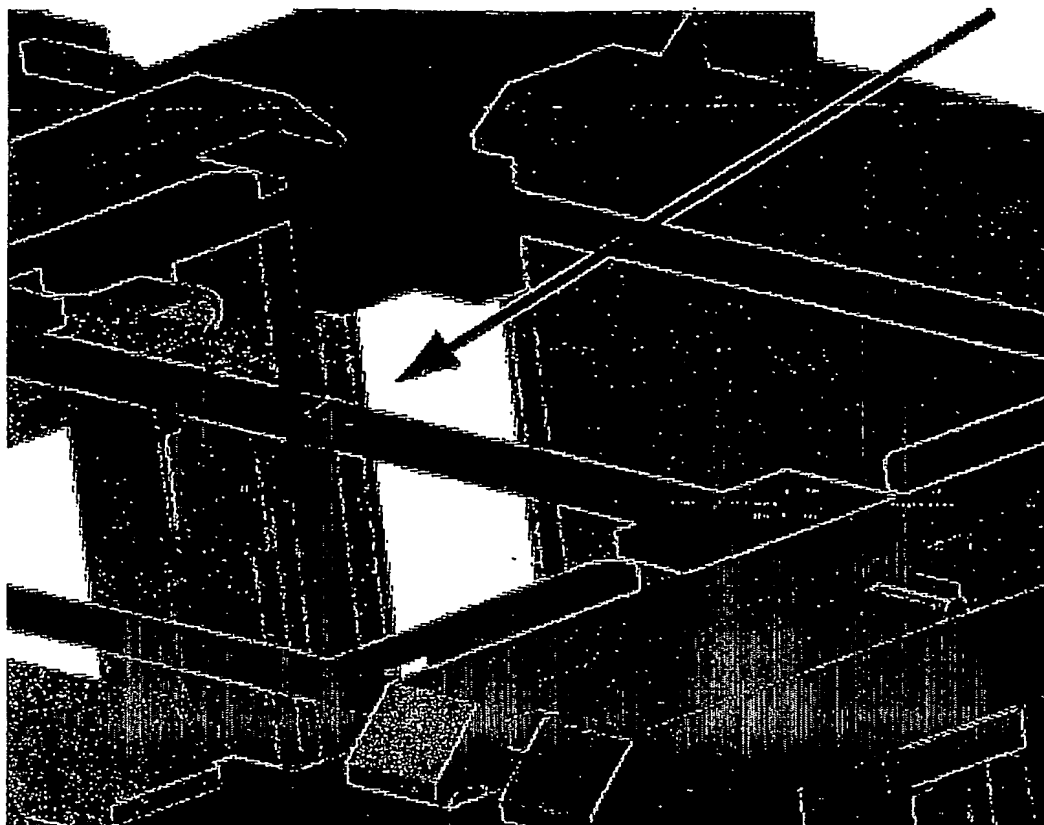
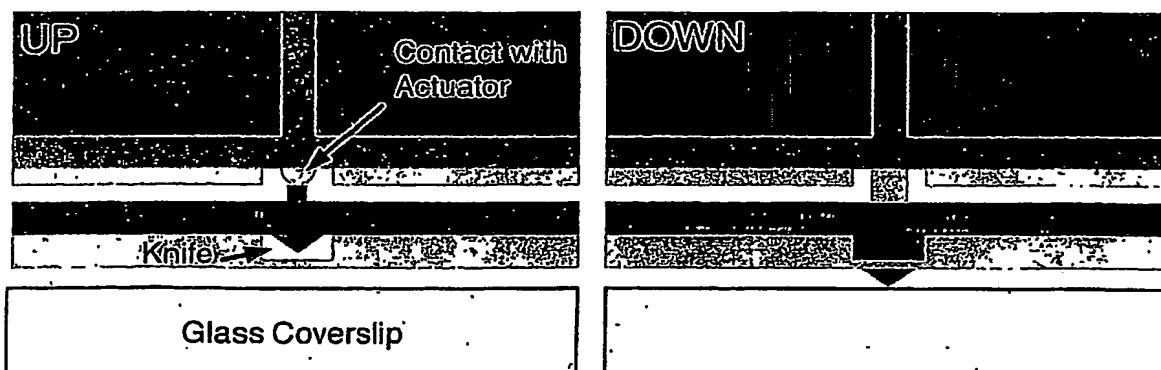
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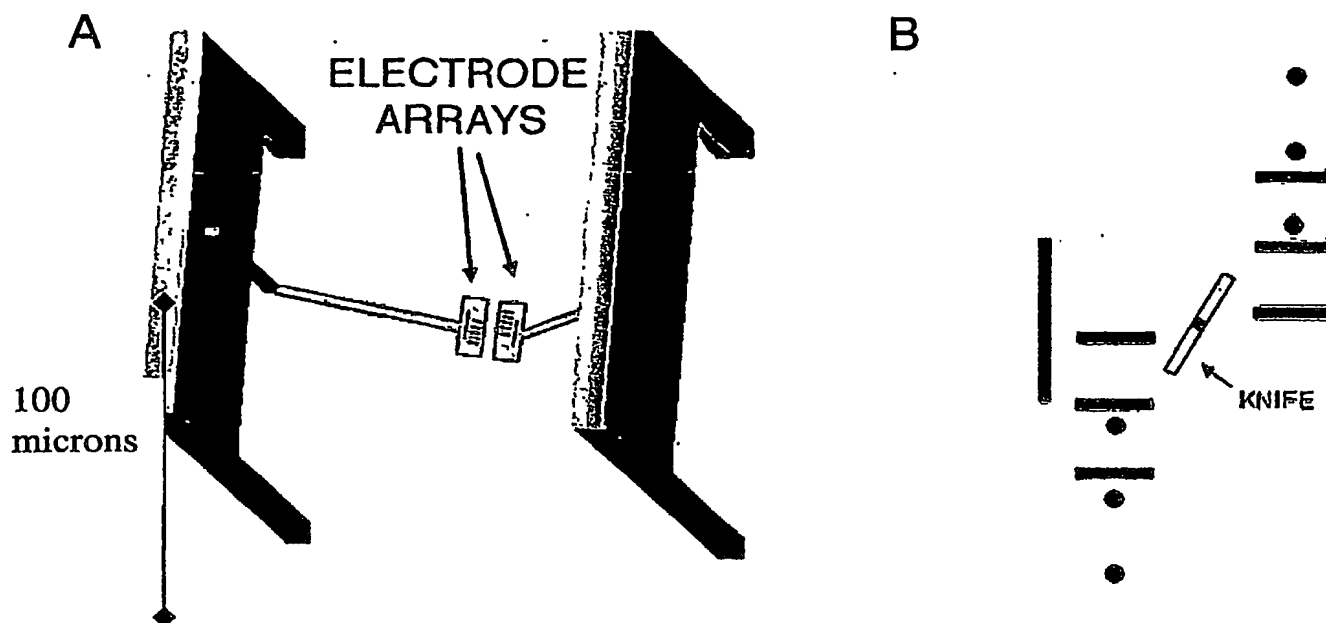
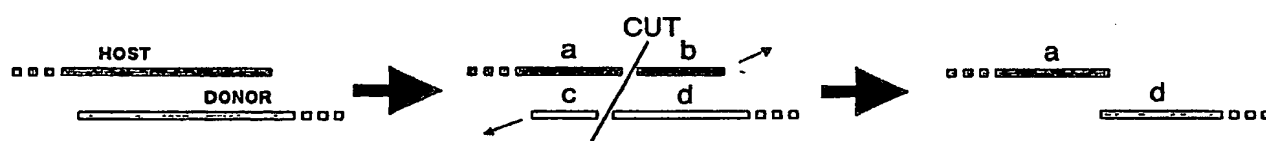
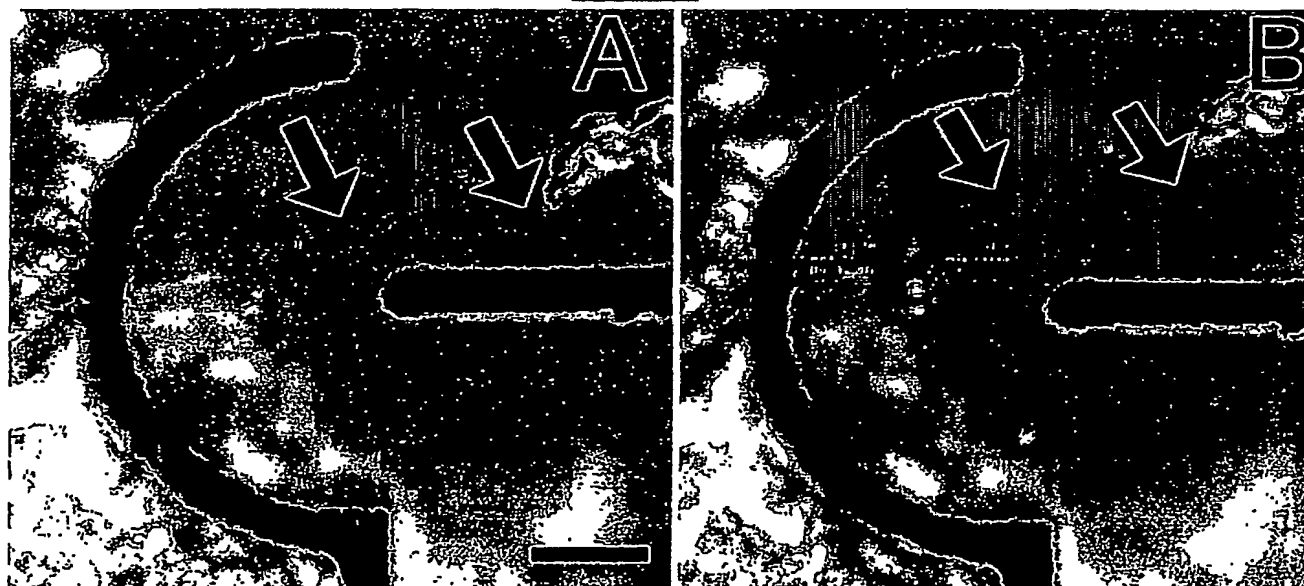
**FIG. 14B**

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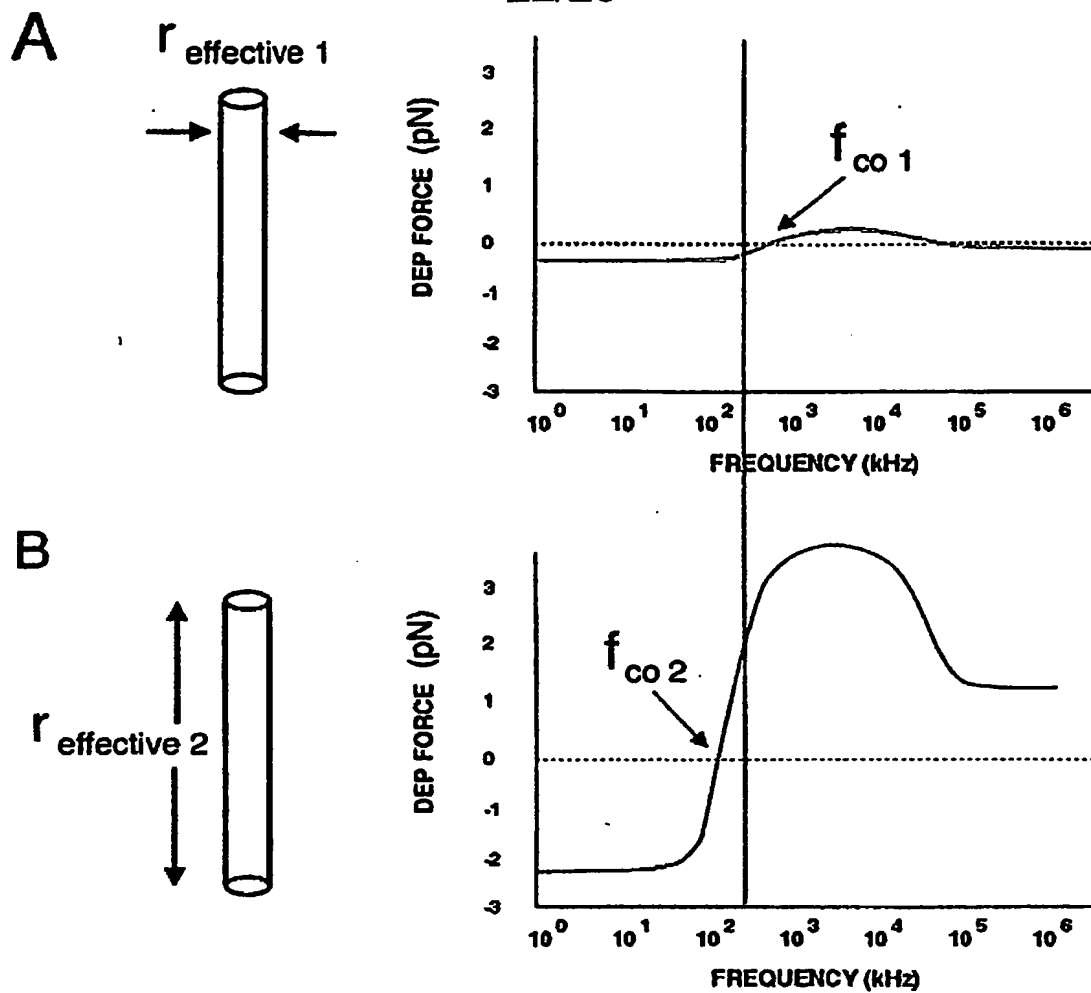
Knife

FIG. 14CFIG. 15

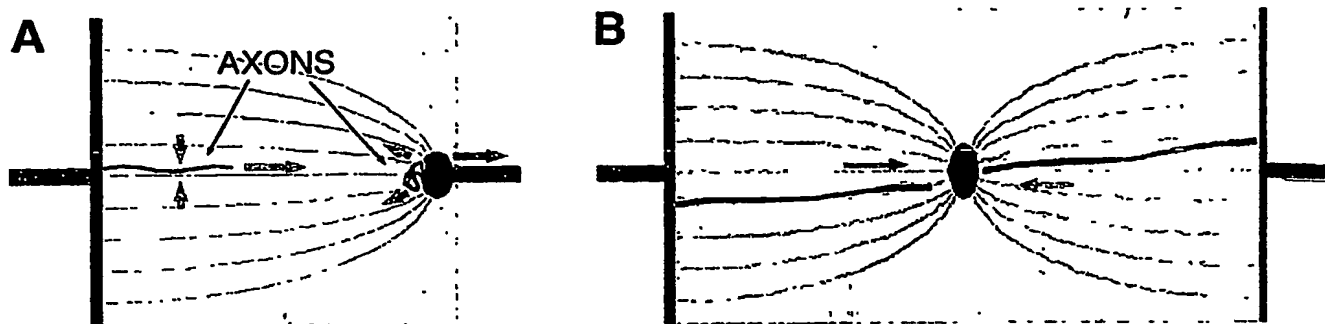
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FIG. 16A-BFIG. 17FIG. 19A-B

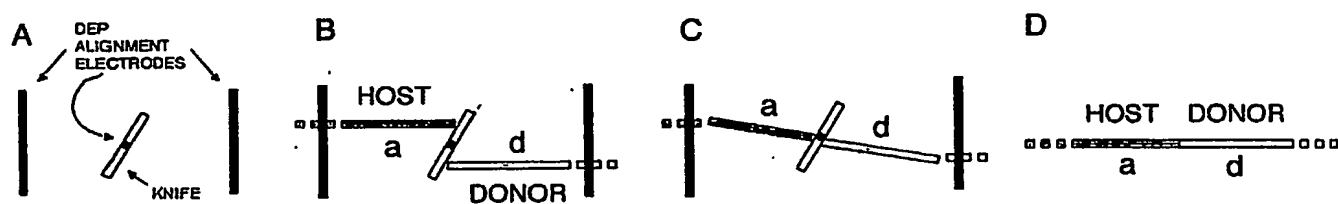
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**FIG. 18****FIG. 19C**

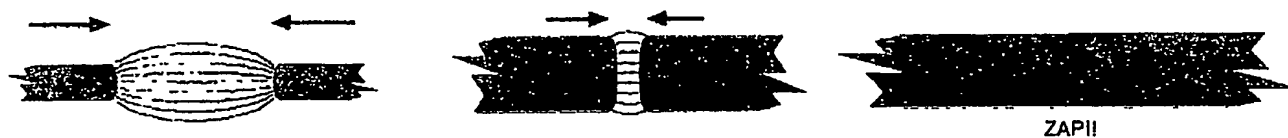
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**FIG. 20**

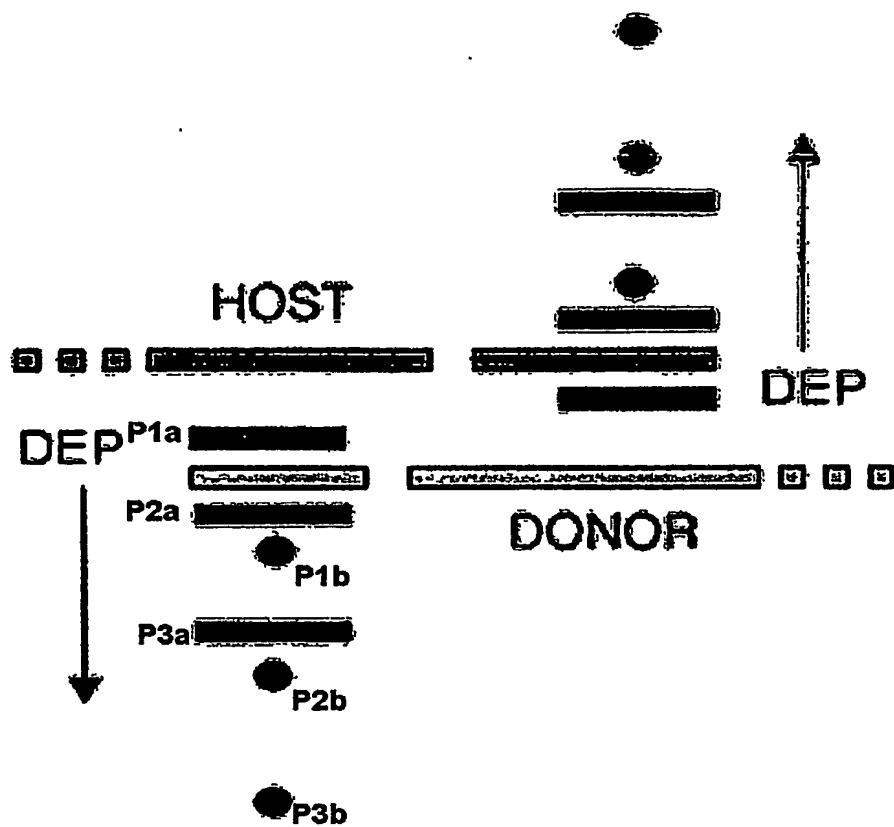


**FIG. 22**

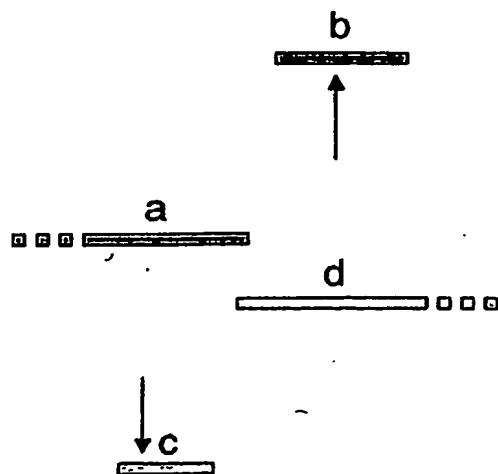


**FIG. 24**

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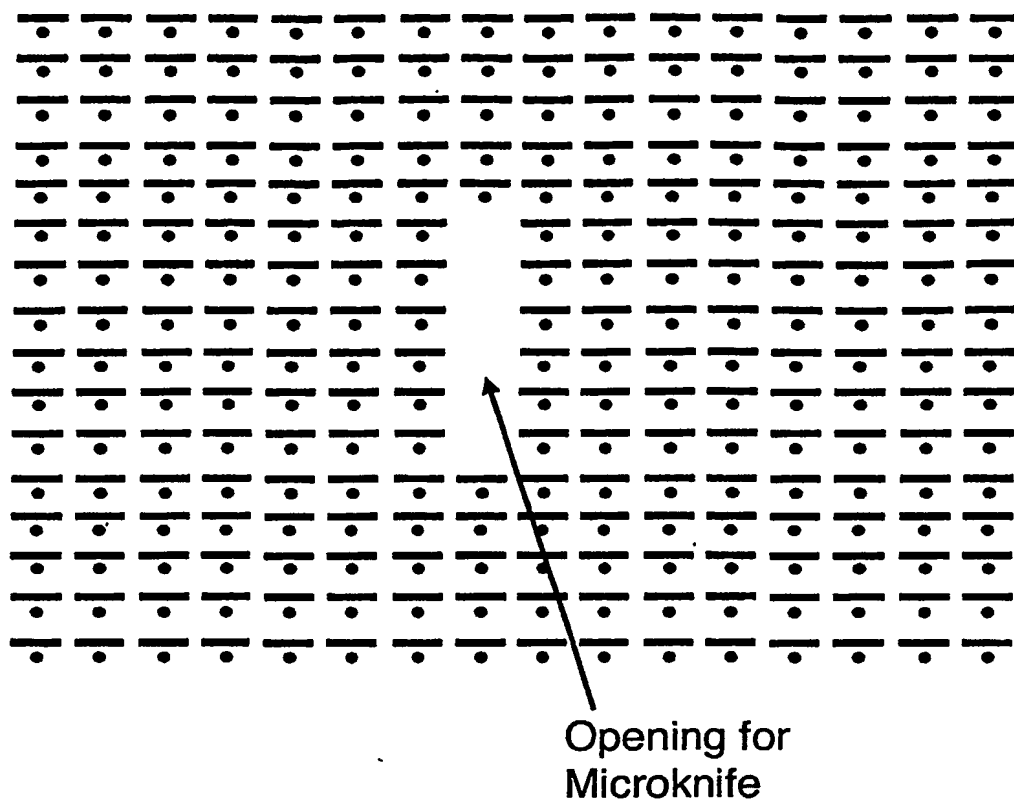
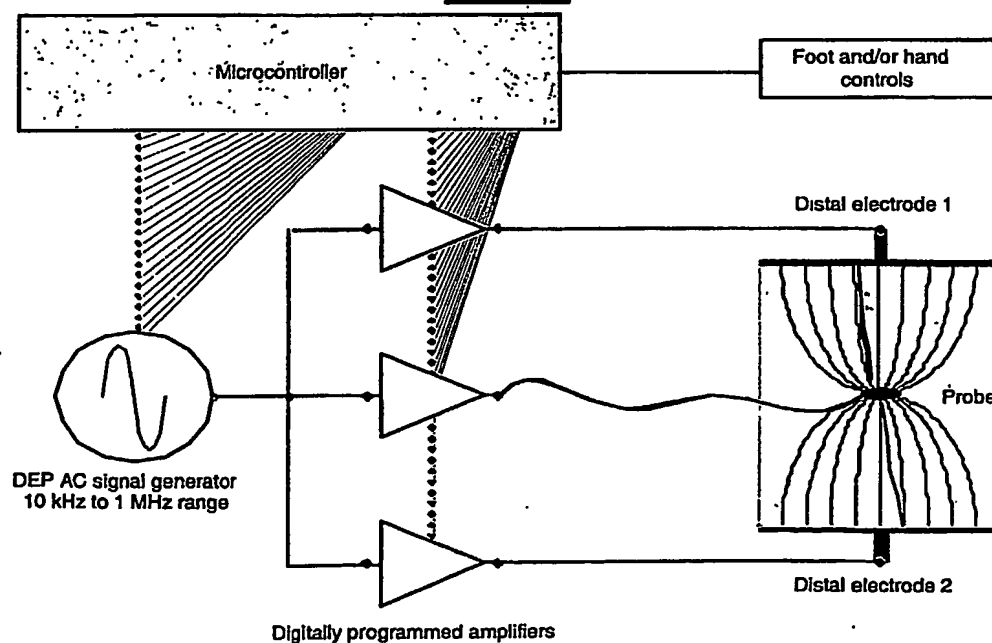
**FIG. 21A**



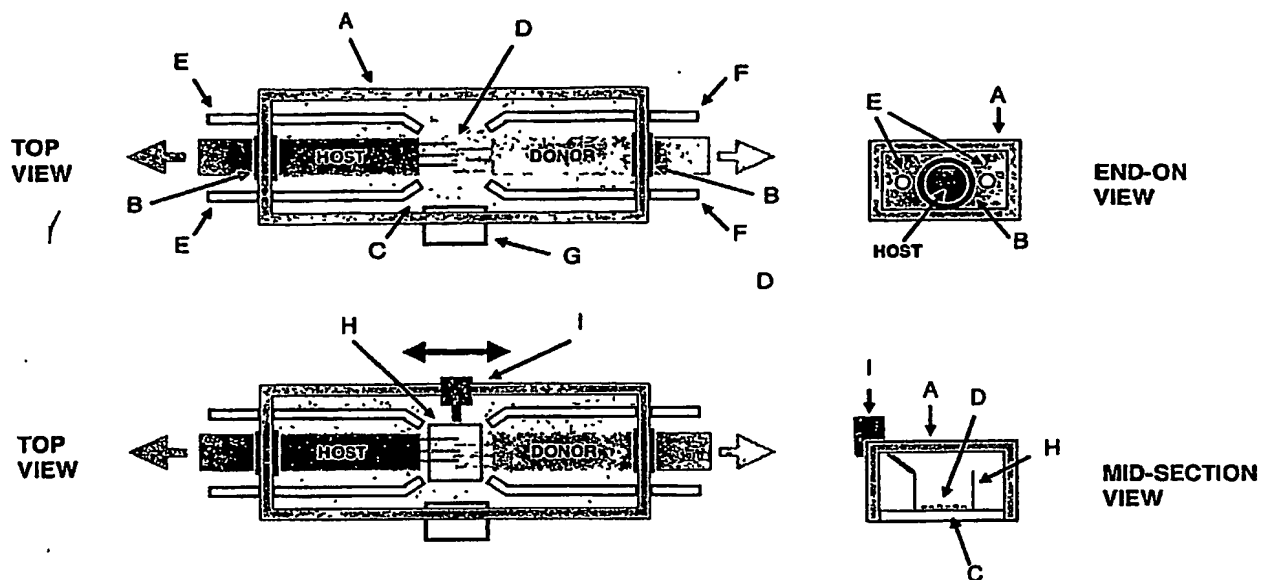
**FIG. 21B**



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**FIG. 23****FIG. 25**

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- A - Surgical frame
- B - Nerve sealing gasket
- C - Bottom plate of surgical frame
- D - Host and donor axons to be fused and repaired
- E - Inflow tubes
- F - Outflow tubes
- G - Wave guide
- H - Assembled MEMS axon repair platform
- I - Micromanipulator to position MEMS axon repair platform

***FIG. 26***

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